

A PROJECT REPORT ON **ONLINE GROCEY SYSTEM**

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CERTIFICATE

This to certify that the project report entitled “ONLINE GROCERY SYSTEM” submitted by “ARYAN PANJA” during the academic year 2021- 2022 is a bonafied piece of work conducted under my supervision and guidance. The data sources have been duly acknowledged.

I wish him/her success in all his/her future endeavours.

~Mr. Dinesh Nanda

ACKNOWLEDGMENT

I would like to express my special thanks of gratitude to my teacher “MR. DINESH NANDA ” as well as our principal ma’am who gave me golden opportunity to do this project of Computer Science, which also helped me in doing a lot of research and I came to know new things about it. Without their help, guidance and support it would be impossible to complete this project.

Secondly, I would also like to thank my parents and friends who helped me a lot in finishing this project within limited time. I am making this project not only for marks but also to increase my knowledge.

Once again thanks to all who helped me in doing this project.

~ARYAN PANJA

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TOPIC OF THE PROJECT

ONLINE GROCERY SYSTEM

BACKGROUND OF THE PROJECT

Proposed system

In today's world, all the things have become computerized. Generally, the hospital works on paper work.

To register patient information, there is need of a lot paper work. So, this software is useful for doing hospital work easy. It registers the patient's information such as- aadhar no., patient name, age, gender, phone no., blood group.

Generally, to take appointment, the patient has to call or meet the receptionist of the hospital. By using this software, you can easily take the appointment to the consultant doctor with date and time and appointment no. of that day.

Hence, this software makes easy work for both patient and hospital management.

Benefits of Purposed System:-

1. Less Paper Work

The paper work is reduced to minimal level.
Computer prepares the lists of customers.

2. No Manual Work.

There is no manual work. All the processes are done through computer.

3. Record of students.

There is record of all the patients and doctors who got registered.

4. Register Maintenance is Easier

Register can now easily be maintained by producing a report with a format of adding patient's and doctor's records .

5. Data Is Not Scattered

Data is now stored at one place. Any information regarding anything can be easily available to the user.

6. User-friendly Software

The software is be menu-driven and is very easy to use.

7. Flexibility

The system is more flexible than the manual system being used presently.

8. Beneficial

The system is easy to use and reduces the user's workload a lot. It provides timely and accurate information and there is automatic generation of reports.

FUNCTIONS AND MODULES

~FUNCTIONS:-

#Pre Defined

❖eval

python's eval() allows you to evaluate arbitrary python expressions from string based or compiled code based input.

❖print

print function takes any number of parameters and prints them out on line of text.

❖import

this function imports the module name, potentially using the given globals and locals to determine how to interpret the name in a package context.

❖ len

it returns the no. of items in an object. When the object is a string it returns no. of characters in string.

❖ range

it returns a sequence of numbers starting from zero and increment by 1.

❖ float

is used to convert an integer or a string to floating point value. The float() method takes one parameter.

❖ close

is going to close the project at the end or when required

#User Defined

❖ `create_database()`

this function is going to create sql database

❖ `user_password()`

is going to make a table for storing the username and password of the user

❖ `create_table()`

is going to make a table in database for storing items

❖ `insert()`

this function is going to insert items in table

❖ `display()`

is going to display items stored in database table in sql in python window

❖search()

is going to help user search through requires item in database

❖update()

is going to update item in databse

❖delete_r()

is going to delete item in database

❖login()

this function is going to help user to log in or store his credentials

❖sign_in()

is going to help user to sign in

❖register()

is going to help user register in system and use the project

~MODULES:-

❖ datetime

this package provides basic functions for display date related values in program

❖ random

this package generate random no. and select no. within the range

❖ pickle

it is used for serializing and de serializing a python object structure.

FLOW OF THE PROJECT

“THIS PROJECT IS BASED ON VARIOUS LOOPS AND USER BUILT MODULES”

This project is about online grocery system and would help people online to buy groceries at ease.

First of all customers would need to register if not or login if registered .

Then the code would direct you to enter items that people would want to buy.

Then the program will automate billing statements with details that customers have mentioned.

The very end task of program would be to pop up the bill with bought items with prices and quantity in it.

It would need very less human labour and would save alot of time.

TECHNOLOGY USED

❖ PYTHON



WHAT IS PYTHON?

»Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Its high-level built in data structures, combined with dynamic typing and dynamic binding; make it very attractive for Rapid Application Development, as well as for use as a scripting or glue language to connect existing components together.

❖ FILE HANDLING



WHAT IS FILE HANDLING?

» Python too supports file handling and allows users to handle files i.e., to read and write files, along with many other file handling options, to operate on files. The concept of file handling has stretched over various other languages, but the implementation is either complicated or lengthy, but like other concepts

❖ MySQL



WHAT IS MySQL?

» MySQL is a relational database management system based on SQL – Structured Query Language. The application is used for a wide range of purposes, including data warehousing, e-commerce, and logging applications. The most common use for MySQL however, is for the purpose of a web database.

HARDWARE AND SOFTWARE REQUIREMENTS

Hardware configuration:

- ❖ Processor : Pentium Dual Core
- ❖ Memory : 2 GB RAM
- ❖ HD capacity : 500 GB

System configuration:

- ❖ Operating System : Windows 7/10
- ❖ Back end : Binary/csv files / MySQL
- ❖ Front end : Python

There is nothing which is not technically feasible.